

## CLAIMS

We claim:

1. A passive identification system, comprising:

- \* a body part input for generating an information signal impressed with characteristics of a body part;
- \* an index generation means to said body part input to obtain one or more indices;
- \* means to link at least one of said indices to identity

2. The passive identification system of claim 1 wherein said index of said index generation is a function of a subset of data of the information signal.

3. A passive identification system of claim 1 wherein said index generation comprises means to generate said one or more indices each from different partial information from said information or transformation of said information

4. The passive identification system of claim 1 wherein said information signal is an information signal impressed with characteristics of a body part.

5. A private biometric identification process, comprising:

- \* a body part input for generating an information signal impressed with characteristics of a body part;
- \* An index generation means to said body part input to obtain one or more indices.
- \* Information hiding means to said body part input and at least one index to obtain transformed biometric templates.

- \* Transmission of at least one transformed biometric template and index pair

- \* Verification means of transformed biometric template with template linked to by associated index.

6. The private biometric identification system of claim 5 wherein said information signal is generated from multiple readings of said body part.

7. The private biometric identification system of claim 5 wherein said information hiding means is transformation of said information signal exclusive-ored with index.

8. The private biometric identification system of claim 5 wherein said verification is a hamming weight test.

9. The private biometric identification system of claim 5 wherein said verification includes validation for authorization.

10. The private biometric identification system, comprising

- \* a body part input for generating an information signal impressed with characteristics of a body part
- \* transmission means of one or more indices from index generation means to database.
- \* transmission means of biometric template indexed by said indices to accept point.
- \* transmission means of transformed biometric template generated by information hiding means to access point.
- \* verification means of said transformed biometric template and said biometric template.

11. The private biometric identification system of claim 10 wherein said biometric template is at least one said index composed with said information signal.